


MEMORANDUM

TO: Distribution

FROM: Ali Logmanni, Manager   
Division of Engineering  
Office of Design and Construction

DATE: October 17, 2014

SUBJECT: Design Standard (DST) 2014-04, Modifications to Section 8.1.7.2, Bollards

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Effective immediately, the following modifications shall be made to the MAA Design Standards Manual, dated January 2014:

**Remove Section 8.1.7.2, Bollards, in its entirety and replace with the following:**

"All bollards installed at BWI Marshall and Martin State Airports shall be concrete filled galvanized schedule 40 steel pipe not less than six (6) inches in diameter, painted yellow. Bollards shall be covered with a yellow, 1/8" thick HDPE bollard post cover, securely fastened to the bollard in accordance with the manufacturer's recommendations. Sleeve height shall be from the top of the surrounding pavement to the top of the exposed pipe. Two red, reflective, 1-inch thick recessed bands shall be located within the top 18" of the bollard cover. Bollard cover manufacturer shall provide at least a five (5) year warranty against warping, cracking, and fading.

Bollard placement shall be designed to protect buildings and other valuable assets from vehicular and mobile equipment impact without impeding access to the protected asset. Assets to be protected include, but are not limited to, above ground tanks, platforms, loading bridge foundations, generators, guard booths, baggage handling systems, etc. In the instance of fire hydrants and standpipes, the provision of, and location of, bollards will be subject to approval by the MAA Fire Marshal and bollards shall not be located in front of, or within three (3) feet of a fire hydrant steamer connection."

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Consultants listed herein are required to distribute this design standard to their respective staff and sub-consultants. If you believe the above specifications conflict with any other codes or regulations, or if you should have any questions regarding this matter, please contact the Manager, Division of Engineering at 410-859-7768.

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